Name:

**PERFORMANCE CRITERIA**

1. **Identify and use local resources.**
   1. **Identify Internet connection and protocols**

[**What is a Protocol?**](http://voip.about.com/od/voipbasics/g/protocoldef.htm)

**Definition:** Imagine the number of people communicating in the world, the number of different languages they use, the number of different machines they use, the number of ways in which they transmit data and the different software they use. We would never be able to communicate worldwide if there were no ‘standards’ governing the way we communicate and the way our machines treat data. These standards are sets of rules.

There are rules governing how data is transferred over networks, how they are compressed, how they are presented on the screen and so on. **These set of rules are called protocols.** There are many protocols, each one governing the way a certain technology works. For example, the IP (Internet Protocol) protocol defines a set of rules governing the way computers use IP packets to send data over the Internet or any other IP-based network. It also defines addressing in IP.

Likewise, we have other protocols like:

[TCP](http://voip.about.com/od/voipbasics/g/TCP.htm): Transmission Control Protocol, used for the reliable transmission of data over a network.

HTTP: Hypertext Transfer Protocol, used for transmitting and displaying information in the form of web pages on browsers.

FTP: File Transfer Protocol, used for file transfer (uploading and downloading) over the Internet

SMTP: Simple Mail Transfer Protocol, used for email

[Ethernet](http://voip.about.com/od/voipbasics/g/whatisEthernet.htm): Used for data transmission over a LAN.

[Wi-Fi](http://voip.about.com/od/mobilevoip/p/wifi.htm): One of the wireless protocols.

**Complete the table using the Internet.**

|  |  |  |
| --- | --- | --- |
| **Protocol** | **Meaning** | **Use** |
| TCP | Transmission Control Protocol | used for the reliable transmission of data over a network |
| HTTP |  |  |
| FTP |  |  |
| SMTP |  |  |
| Ethernet |  |  |
| Wi-Fi |  |  |
| IP |  |  |
| POP3 |  |  |
| IMAP |  |  |

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* 1. **Applications and files are downloaded and installed correctly.**

*Read all of the following instructions before starting.*

Irfanview is a free image editing program.

Navigate to [this site](http://www.irfanview.com/) and follow the directions to download and install Irfanview from the CNET download site.

**NOTE CAREFULLY:** You are **NOT** to install the Google Toolbar when presented with this option. Otherwise, follow the default instructions.

Notify your teacher when finished to verify the installation.

Installation verified?

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| --- | --- | --- | --- |
| 🞏 | Yes | 🞏 | No |

Teacher signature: